TX4045B-D3-4.4-20.000-MS

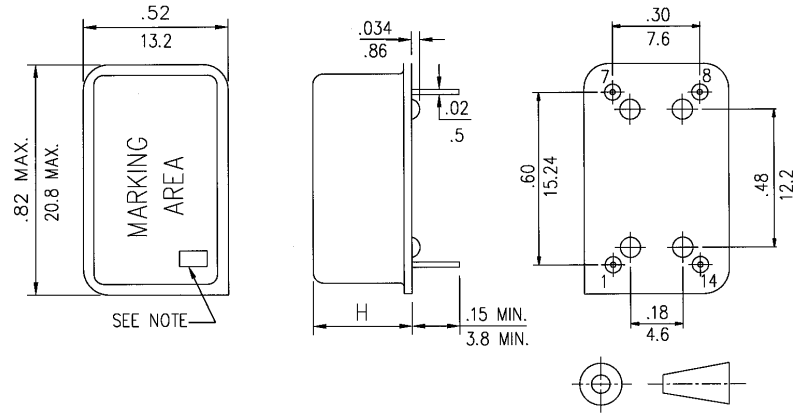
■ **FEATURES:**

- **Fully meeting SMC (Sonet Minimum Clock) requirements**
- **Specifically designed to work with Mitel Semiconductor MT90401 System Synchronizer**
- **3.3V power supply for low power consumption applications**

■ **APPROVALS**

RALTRON	CUSTOMER
Created by, date:	Name (please print):
Sales approval, date:	Title (please print):
Eng. approval, date:	Signature, date:

■ **MECHANICAL SPECIFICATION**



HEIGHT, MAX. "H":
0.4" / 10.16 mm

OUTLINE TOLERANCE:
±0.015" / 0.4mm

PIN FUNCTIONS:
[1] NOT CONNECTED
[7] CASE / GROUND
[8] RF OUTPUT
[14] SUPPLY VOLTAGE

NOTE:
DENOTES PIN 1 LOCATION

■ **ELECTRICAL SPECIFICATION**

PARAMETER	SYMBOL	CONDITIONS	VALUE	UNIT
Supply voltage, nom.	Vs	-	+3.3	V
Supply current, max.	Is	Vs, nom. / Ta=+25°C	20.0	mA
Frequency, nom.	fo	-	20.000	MHz
Overall frequency stability over 24 hours of operation	Δfc/fo	Ta=-40°C to +85°C, Vs=+3.3V±5%, Load=15pF±5%	±4.4	ppm
Phase noise @ freq.offset	£ (Δf)	Δf=1 Hz	-60	dBc/Hz
	£ (Δf)	Δf=10 Hz	-90	
	£ (Δf)	Δf=100 Hz	-120	
	£ (Δf)	Δf=1 KHz	-130	
	£ (Δf)	Δf=10 KHz	-135	
	£ (Δf)	Δf=100 KHz	-140	
Long term stability	Δf/fc (Δt)	Δt=15years	±8.0	ppm
HCMOS output levels	VOH / VOL	load=15pF	2.7 / 0.33	V
Duty cycle	DC	Load=15pF±5% @ 50%Vs	40…60	%
Rise- / fall time, max	tr / tf	10%~90% Vout, 90%~10% Vout	5.0	ns